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Professor of Zoology in Ginling College, Nanking, China

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The Journal of the Pan-Pacific Research Institution

At a recent meeting of the governing body of the Pan-Pacific Research Institution the quality and scope of the papers to be published in the Journal of the Institution was discussed.

It was decided that the Journal of the Pan-Pacific Research Institution will be devoted to the publication of scientific papers only. Various subjects of interest to the countries bordering on the Pacific will be developed.

At the present time, for example, a series of papers is being prepared constituting check lists of the fish of the waters of the Pacific Ocean, including fresh water fish of the lakes and streams in Pacific lands. This work is under the general direction of Dr. David Starr Jordan, President of the Institution. Check lists of the fish of practically all the Pacific countries have either been prepared or are in the course of preparation.

Likewise papers, it is expected, will be written on entomological problems and check lists of the insects of the several Pacific countries prepared. A general survey of economic insects of the Pacific will be published, if possible, at one time, and papers on the activities of single species, perhaps, published from time to time. When such information from various nations is correlated, the possibilities appear to be vast indeed in the way of interest and of economic importance.

Again, plant disease and plant pest problems in general will receive their due share of attention. When more information is completed in all the different countries, who knows what losses may be prevented in the way of depredations brought about by the chance importation of a plant enemy.

Studies now projected on foods of the Pacific countries bid fair to bring about new information of very great value to the health and general welfare of the peoples of the Pacific countries.

These are just a few of the many lines of scientific study that may make the Journal their medium of publication.

The governing body of the Institution has further recommended that the publication Council utilize the Mid-Pacific Magazine once a quarter, in which to publish scientific papers read at the Pan-Pacific Research Institution, in Hawaii or elsewhere, as well as contributed scientific papers of sufficient interest to warrant publication. These papers, mostly of a popular science nature, will be illustrated and the Publication Council will consider contributions. These should be addressed to the Editors, Journal of the Pan-Pacific Research Institution, Honolulu, Hawaii, U. S. A.

A Catalogue of the Fishes of Northeastern China and Korea

By Cora D. Reeves, Ph.D. (Michigan)
Professor of Zoology in Ginling College, Nanking, China.

The present paper is a catalogue of the fishes thus far recorded from the streams and shores of Northeastern China and Korea. It is a preliminary list, for the fauna in question is far from completely studied, and many additional species remain to be added, especially from the coasts of China. Probably all the fishes of the West Coast of Japan and Formosa will be noted in time. Moreover, in many cases of species accepted, we are by no means certain as to their correct identification. The classification adopted is essentially that of recent papers of Jordan and Hubbs. The authorities quoted concern the specific names only, not the combination.

It is the purpose of the Pan-Pacific Research Institution to publish from time to time local lists of the fish fauna of the Pacific, as prepared by local observers. For the present, these will be catalogues only, without plates or records of new forms, these lists to be finally combined in a single volume.

The area for which the main list has been prepared is bounded on the north by the great wall west to the longitude of Ichang and a line from Ichang to Foochow. Along the coast there were too many indefinite records to try to use a bounded definite area.

DAVID STARR JORDAN.

Abbreviations:

B. & S., Schneider's Edition of Bloch. Ichthyologia (1801).
C. & V., Cuvier & Valenciennes, Hist. Naturelle des Poissons. 1830-1843.
J. & S., Jordan & Snyder, various publications.
M. & H., Müller & Henle, Plagiostomen. 1838.
T. & S., Temminck & Schlegel, Fauna Japonica, Poissons.
Ag., Louis Agassiz.
Basil., Basilevsky.
Blkr., Pieter von Bleeker.
Boul., George Albert Boulenger.
Gthr., Albert Günther.
Herz., Herzenstein.
L., Carl Linné or Linnæus.
Lecp., Bernard Germain Lacépède.
Rich., John Richardson.
Steind., Franz Steindachner.

* * * * *

Family 1. BRANCHIOSTOMIDÆ.

1. Branchiostoma belcheri Gray. Coast of S. China; inordinately abundant.

Family 2. EPTATRETIDÆ.

2. Eptatretus burgeri Gray. S. China.

Family 3. PETROMYZONIDÆ.

3. Entosphenus japonicus Martens. Rivers N. Asia.
4. Entosphenus mitsukurii Hatta.

Family 4. HEXANCHIDÆ.

5. Notorhynchus platycephalus Tenore.

Family 5. HETERODONTIDÆ.

6. Heterodontus zebra Gray.
7. Heterodontus japonicus Duméril.

Family 6. SCYLLIORHINDÆ.

8. Halælurus burgeri M. & H.

Family 7. ORECTOLOBIDÆ.

9. Cirrhoscyllium expolitum Smith & Radcliffe.
10. Orectolobus japonicus Regan.
11. Chiloscyllium indicum Gmelin.
12. Chiloscyllium plagiosum Bennett. Amoy.
13. Stegostoma tigrinum Gmelin.

Family 8. CARCHARHINIDÆ.

14. Mustelus griseus Pietschmann.
15. Cynias manazo Bleeker.
16. Triakis scyllium M. & H.
17. Galeorhinus japanicus M. & H.
18. Galeocerdo tigrinus M. & H.
19. Prionace glauca L.
20. Carcharhinus japonicus T. & S.
21. Carcharhinus tjutjot Blkr.
22. Scoliodon acutus Rüppell.
23. Scoliodon walbeehmi Blkr.

Family 9. SPHYRNIDÆ.

24. Sphyrna zygæna L.

Family 10. ALOPIIDÆ.

25. Alopias vulpinus Bonnaterre.

Family 11. LAMNIDÆ.

26. Isurus glaucus M. & H.
27. Carcharodon carcharias L.

Family 12. CETORHINIDÆ.

28. Cetorhinus maximus Gunner.

Family 13. SQUALIDÆ.

29. Squalus mitsukurii J. & S. Shanghai. Ningpo.

Family 14. PRISTIOPHORIDÆ.

30. Pristiophorus japonicus Günther.

Family 15. SQUATINIDÆ.

31. Squatina japonica Blkr.

Family 16. RHINOBATIDÆ.

32. Rhina ancylostoma Bloch & Schneider.

33. Rhinobatos schlegel Müller & Henle.
34. Rhinobatos halayi Forskål.
35. Rhinobatos polyophthalmus Blkr.

Family 17. PLATYRHINIDÆ.

36. Platyrhina sinensis Müller & Henle.

Family 18. RAJIDÆ.

37. Raja kenojei M. & H. Ningpo, Port Arthur.
38. Raja tobai Tanaka.
39. Raja porosa Günther. Chefoo.

Family 19. TORPEDINIDÆ.

40. Narcine timlei. B. & S.
41. Narke japonica T. & S.

Family 20. DASYATIDÆ.

42. Urolophus fuscus Garman.
43. Dasyatis kuhlii M. & H.
44. Dasyatis navarri Steindachner.
45. Dasyatis akajei M. & H.
46. Dasyatis isakurrah.
47. Dasyatis sinensis Steindachner.
48. Dasyatis bennettii M. & H.
49. Anacanthus gerrardi Gray.
50. Anacanthus imbricata Schn.
51. Pteroplatea japonica T. & S.

Family 21. AETOBATIDÆ.

52. Aëtobatus tobijei Blkr.
53. Stoasodon narinari Euphrasen.
54. Aëtomylæus niuhofi B. & S.
55. Aëtomylæus milvus Müller & Henle.

Family 22. MOBULIDÆ.

56. Mobula japonica M. & H.

Family 23. POLYODONTIDÆ.

57. Psephurus gladius Martens. Shanghai.

Family 24. ACIPENSERIDÆ.

58. Acipenser sinensis Gray.
59. Acipenser dabryanus Dumeril.
60. Acipenser kikuchii J. & S.
61. Acipenser mikadoi Hilgendorf.
62. Ichthyocolla daurica Georgi.

Family 25. CHIROCENTRIDÆ.

63. Chirocentrus dorab Forskål.

Family 26. ELOPIDÆ.

64. Elops machnata Forskål. Canton.
65. Megalops cyprinoides Broussonet. Canton, Swatow, Ningpo.

Family 27. ALBULIDÆ.

66. Albula vulpes L.

Family 28. CHANIDÆ.

67. Chanos chanos Forskål.

Family 29. DUSSUMIERIIDÆ.

68. Spratelloides japonicus Houttuyn.
69. Etrumeus micropus T. & S.
70. Dussumieria acuta C. & V.
71. Dussumieria elopsoides Blkr.

Family 30. CLUPEIDÆ.

72. Clupea pallasi C. & V. N. Pacific. Tientsin.
73. Harengula punctata C. & V.
74. Harengula zunasi Blkr. Amoy.
75. Harengula nymphæa Richardson.
76. Sardinella immaculata Kishinouye. Swatow.
77. Sardinella gibbosus Bleeker.
78. Sardinella fimbriata C. & V.
79. Sardinella clupeoides Bleeker.
80. Sardinia melanosticta T. & S.
81. Hilsa kanagurta Bleeker. Amoy.
82. Hilsa reevesii Rich. Amoy, Shanghai, Kiukiang.
83. Hilsa toli C. & V.
84. Clupanodon punctatus T. & S. Swatow, Chefoo, Newchwang.
85. Clupanodon nasus Bloch.
86. Clupanodon thrissa Osbeck.
87. Ilisha elongata Bennett. Chefoo.

Family 31. ENGRAULIDÆ.

88. Coilia mystus Lacep. Swatow, Shanghai.
89. Coilia rendahli Jordan & Seale. Shanghai.
90. Coilia brachygnathus Kreyenberg & Pappenheim.
91. Setipinna telara C. & V.
92. Setipinna gilberti Jordan & Starks. Korea.
93. Setipinna melanochir Rich. Swatow.
94. Thrissocles adelæ Rutter. Swatow.
95. Scutengraulis mystax B. & S. Swatow.
96. Scutengraulis hamiltoni Gray.
97. Stolephorus kammalensis Blkr. Swatow, Chefoo.
98. Stolephorus chinensis Gthr. Swatow.
99. Stolephorus koreanus Kishinouye. Korea
100. Engraulis japonicus T. & S. Peitaiho.

Family 32. SALMONIDÆ.

101. Oncorhynchus keta Walbaum.
102. Oncorhynchus leptosomus Blkr.
103. Plecoglossus altivelis T. & S. N. China, Formosa.

Family 33. OSMERIDÆ.

104. Hypomesus verecundus Jordan & Metz. Korea.
105. Osmerus dentex Steindachner.

Family 34. SALANGIDÆ.

106. Protosalanx hyalocranius Abbott. Shanghai.
107. Salangichthys microdon Blkr.
108. Hemisalanx prognathus Regan. Shanghai, Soochow.
109. Leucosoma chinense Lacep. Shanghai, Kiukiang, Amoy, Swatow.
110. Salanx cuvieri C. & V. Soochow, Ichang.
111. Parasalanx angusticeps Regan.
112. Parasalanx gracillimus Regan. Shanghai.
113. Parasalanx longianalis Regan.

Family 35. AULOPIDÆ.

114. Hime japonica Gunther.

Family 36. SYNODONTIDÆ.

115. Synodus japonicus Houttuyn.
116. Saurida eso Jordan & Herre. Hongkong.
117. Saurida argyrophanes Rich. Yentai, Shantung.
118. Saurida tumbil Bloch. Chefoo, Swatow.
119. Trachinocephalus limbatus Eydoux & Souleyet.
120. Trachinocephalus altipinnis Gthr. Swatow.
121. Harpodon nehereus Hamilton (Buchanan). Swatow, Newchang.

Family 3. PLOTOSIDÆ.

122. Plotosus anguillaris Forskål.

Family 38. ARIIDÆ.

123. Netuma osakæ Jordan & Kasawa. China Sea.
124. (Arius) falcarius Richardson. Ningpo.
125. (Arius) maculatus Thunberg.

Family 39. SILURIDÆ.

126. Parasilurus asotus Linn. Chihli, Ningpo, Ichang.
127. Parasilurus cinereus Dabry. Yangtse.
128. Silurodon hexanema Kner. Shanghai.

Family 40. BAGRIDÆ.

129. Pelteobagrus fulvidraco Rich. Shanghai, Soochow, Grand Canal.
130. Leiocassis naso Garman. Ichang.
131. Leiocassis torosilabris Sauvage. Yangtse River.
132. Leiocassis brashnokowi.
133. Leiocassis argentivittatus Regan.
134. Leiocassis crassilabris Günther. Ichang, Szechuenchang.
135. Leiocassis longirostris Gthr. Newchang, Ningpo, Ichang.
136. Leiocassis tæniatus Gthr. Shanghai W. to Ichang.
137. Pseudobragrus vachelli Rich. Chinkiang, Ichang, Newchwang.
138. Pseudobagrus emarginatus Sowerby. Manchuria.
139. Pseudobagrus tenuis Gthr. Shanghai. Yangtse River.
140. Pseudobagrus nitidus Sauvage & Thiersant. Yangtse.
141. Pseudobagrus eupogon Boulenger.
142. Liobagrus styomi Regan. Hupeh.
143. Mystus macropterus Bleeker. Yangtse, Ichang, Szechuen.
144. Mystus chinensis Steind. Canton.
145. Cranoglanis sinensis Peters. Canton.
146. Rita manillensis C. & V. Ningpo.

Family 41. SISORIDÆ.

147. Glyptosternon sinence Regan. Tungting.
148. Glyptosternon asperum McClelland. Tungting.

Family 42. CLARIIDÆ.

149. Clarias fuscus Lacep. Swatow.

Family 43. COBITIDÆ.

150. Acanthopsis lachnostoma Rutter. Swatow.
151. Cobitis tænia L. N. China.
152. Cobitis xanthi Gthr. Yangtse, Ichang.
153. Cobitis macrostigma Dabry. Lakes of C. China.
154. Botia multifasciata Regan.
155. Botia variegata Gthr. Ichang, Yangtse.
156. Leptobotia elongata Blkr. Yangtse R.
157. Leptobotia fasciata Guichenot. Yangtse.
158. Parabotia tæniops Guichenot. Yangtse.
159. Paramisgurnus dabryanus Guichenot. Yangtse R.
160. Misgurnus decemcirrosus Basilewsky. N. China, Yangtse.
161. Misgurnus anguillicaudatus Cantor.
162. Misgurnus mizolepis Gthr. Ichang, Kiukiang.
163. Misgurnus crossochilus Sauvage.
164. Lefua costata Kessler.
165. Lefua dixoni Fowler. N. Chihli.
166. Gobiobotia pappenheimi Kreyenberg. Tientsin.
167. Barbatula livida Sauvage.
168. Barbatula bleekeri Sauvage. Shensi.
169. Barbatula bipartita Sauvage & Dabry. N. and C. China.
170. Barbatula nuda Bleeker. Mongolia.
171. Barbatula toni Dybowski. Amur R.

Family 44. HOMALOPTERIDÆ.

172. Homaloptera stenosoma Blgr. Ningpo.
173. Homaloptera fimbriata Gthr. Ichang.
174. Homaloptera rotundicauda Martens.
175. Homaloptera caldwelli Nichols.
176. Psilorhynchus fasciatus Sauv. Fukien.
177. Psilorhynchus sinensis Sauv. Szechuen.
178. Crossostoma davidi Sauvage. Fukien.

Family 45. CATOSTOMIDÆ.

179. Myxocyprinus asiaticus Blkr. N. China.

Family 46. CYPRINIDÆ.

181. Cyprinus carpio L.
182. Carassius auratus L.
183. Cirrhina chinensis Gthr.
184. Labo decorus Peters. Hongkong, Swatow.
185. Labeo jordani Oshima. Swatow.
186. Semilabeo notabilis Peters.
187. Discognathus orientalis Nichols. Fukien.
188. Ageneiogarra imberbais Garman. Szechuen.
189. Gymnostomus monticola Gthr. Ichang.
190. Gymnostomus kreyenbergii Regan. Nankacho.
191. Gymnostomus styani Blgr. Ningpo.
192. Gymnostomus fasciatus Steindachner. Shanghai.
193. Gymnostomus macrolepis Blkr.
194. Chilogobio nigripinnis Günther. Ningpo.
195. Chilogobio nitens Günther. Shanghai.
196. Chilogobio sciistius Abbott.
197. Chilogobio imberbis Sauvage. Ningpo, Shensi.
198. Gobio argentatus Sauvage. Yangtse.
200. Gobio wolfterstorffi Regan. Shansi, Nankancho.
201. Paraleucogbio notacanthus Berg. N. China, Ichol.
202. Rhinogobio typus Blkr. Yangtse River, Ichang.
203. Rhinogobio cylindricus Gthr. Ichang, Kiukiang.
204. Rhinogobio ventralis Sauvage. Yangtse.
205. Rhinogobio vaillanti Sauvage. Kiangsi.
206. Saurogobio dumerili Blkr. Yangtse.
207. Saurogobio dabryi Blkr. Yangtse, Kiukiang.
208. Saurogobio guichenoti Sauvage.
209. Pungtungia rathbuni Jordan & Seale. Shanghai.
210. Pungtungia herzi Herzenstein. Korea.
211. Sarcocheilichthys sinensis Blkr. Ningpo, Yangtse.
212. Sarcocheilichthys geei Fowler. Soochow.
213. Sarcocheilichthys maculatus Günther. Ichang.
214. Sarcocheilichthys mori Jordan & Hubbs. Korea.
215. Acanthogobio guentheri Herz. Huangho, Huihsine.
216. Pseudogobio rivularis Basil. Nanking, Soochow. Chinwangta.
217. Pseudogobio productus Peters. Yangtse, Ichang, Hongkong.
218. Pseudogobio filifer Garman.
219. Pseudogobio styani Günther. Ichang, Kiukiang.

220. Pseudogobio esocinus T. & S. Japan, Korea.
221. Aphyocypris chinensis Gthr. Chekiang and Yangtse.
222. Aphyocypris kikuchii.
223. Barbus gerlachi Peters. Ningpo, Hongkong.
224. Barbus simus Sauvage.
225. Barbus sinensis Blkr.
226. Barbus paradoxus Gthr. Amoy.
227. Barbus semifasciolatus Gthr. Chefoo.
228. Zacco platypus Temminck & Schlegel. Japan, Korea.
229. Hemibarbus dissimilis Blkr. Yangtse R., Ichang.
230. Hemibarbus maculatus Blkr. Seoul, Yangtse, Chefoo, Fukien.
231. Hemibarbus longirostris Regan. Manchuria.
232. Zacco temmincki T. & S. Japan, Korea.
233. Pseudorasbora parva Schlegel. Chekiang, Nanking.
234. Pseudaspius leptocephalus Pallas.
235. Acahara semotilus. Jordan & Starks. Korea.
236. Acahara brandti Dybowsky. Korea.
237. Moroco bergi Jordan & Metz. Korea.
238. Xenocypris davidi Blkr. Swatow, Peking, Ichang.
239. Xenocypris lampertii Popta. Peking, Grand Canal, Yangtse R.
240. Xenocypris macrolepis Blkr. Yangtse.
241. Distœchodon tumirostris Peters. Ningpo.
242. Acanthobrama dumerili Blkr. Yangtse.
243. Acanthobrama emmelas Abbott. Tientsin.
244. Paracanthobrama guichenoti Blk.
245. Rhynchocypris variegata Gthr. Kiukiang, Ichang.
246. Osteochilus brachynotopterus Blkr.
247. Gnathopogon coreanus Berg.
248. Gnathopogon tæniatus Gthr. Headwaters Yangtse R.
249. Gnathopogon herzensteini Blgr.
250. Gnathopogon chankanensis Dybowsky. Korea.
251. Gnathopogon tsuchigæ. Jordan & Hubbs. Korea.
252. Gnathopogon majimæ Jordan & Hubbs. Korea.
253. Gnathopogon longifilis Jordan & Hubbs. Korea.
254. Hemitemia lagowskii Dybowsky.
255. Coreius cetopsis Kner. Luchow, Ichang, Shanghai.
256. Mylopharyngodon æthiops Basil. Yangtse R., Peking.
257. Mylopharyngodon fuscus Oshima.
258. Ctenopharyngodon idellus C. & V.
259. Acheeilognathus coreana Steindachner. Seoul.
260. Acheilognathus signifer Berg. Pingtung, Korea.
261. Acanthorhodeus macropterus Blkr. Yangtse, Ningpo.
262. Acanthorhodeus guichenoti Blkr. Yangtse R.
263. Acanthorhodeus hypselonotus Blkr. Yangtse R.
264. Acanthorhodeus dicæus Rutter. Swatow.
265. Acanthorhodeus asmussi Dybowsky. Shanghai.
266. Acanthorhodeus tænianalis Gthr. Shanghai.
267. Acanthorhodeus atranalis Gthr. Shanghai.
268. Acanthorhodeus barbatulus Gthr. Shanghai.
269. Acanthorhodeus imberbis Blkr. Ningpo, Shanghai, Tientsin, Pei Ho.
270. Acanthorhodeus peihoénsis Fowler. Peitai-ho.
271. Rhodeus sinensis Gthr. Yangtse, Chekiang, Szechuen.
272. Rhodeus maculatus Fowler. Pei Ho.
273. Rhodeus ocellatus Kner. Lower Yangtse.
274. Rhodeus chosenicus Jordan & Metz. Korea.
275. Luciobrama typus Blkr. Ichang, Yangtse River.
276. Opsariichthys acanthogenys Boulenger. Ningpo.
277. Opsariichthys bidens Gthr. Ningpo, Newchang.
278. Opsariichthys acutipinnis Blkr. Shanghai.
279. Scombrocypris styani Gthr. Kiukiang.
280. Squaliobarbus curriculus Richardson. Canton to Chihli and Ichang.
281. Squaliobarbus elongatus Kner. Shanghai, Ichang.
282. Squaliobarbus dahuricus Basil. Mongolia, Manchuria.
283. Hypothalmichthys molitrix V. & V. Ningpo, Yangtse, N. China.
284. Hypothalmichthys nobilis Gray. Swatow, Ningpo.
285. Hypothalmichthys microlepis Steindachner. Yangtse to Ichang.
286. Aspius spilurus Gthr. Hongkong.
287. Pseudophoxinus oxycephalus Blkr. Peking, Shensi.
288. Elopichthys bambusa Richardson. Canton, Ningpo.
289. Toxabramis swinhonis Gthr. Shanghai, Soochow, Nanking.
290. Toxabramis argentifer Abbott.
291. Chanodichthys mongolicus Basil.
292. Chanodichthys affinis Vaillant. Foochow.
293. Parabramis terminalis Basil. Swatow, Amur.
294. Parabramis bramula C. & V.
295. Parapelecus argenteus Gthr. Kiukiang.
296. Parapelecus jachærius Abbott. Korea, Tientsin.
297. Parapelecus Eigenmanni. Jordan & Metz. Korea.
298. Parapelecus jouyi Jordan & Starks.
299. Ochteobius lucense Jordan & Metz. Korea.
300. Hemiculter leucisculus Basil. Canton, Amur R. W. to Ichang.
301. Culter alburnus Basil.

302. Culter brevicauda Gthr. Shanghai Yangtse.
303. Culter dabryi Blkr. Yangtse R., Hupeh.
304. Culter crythropterus Basil. Shanghai, N. China to Upper Yangtse.
305. Culter oxycephalus Blkr. Yangtse.
306. Culter abramoides Pappenheim. Hankow.
307. Culter mongolicus Basil. N. China.
308. Culter ilishæformis Steindachner.
309. Pseudolaubuca sinensis Blkr.
310. Pseudoperilampu shondæ Jordan & Metz.

Family 47. MASTACRMBELIDÆ

311. Rhynchobdella aculeata Bloch.
312. Bdellorhynchus maculatus Reinwardt.
313. Mastacembelus sinensis Blkr. Yangtse.

Family 48. FLUTIDÆ

314. Fluta alba Zuiew. Canton, Chihli W. to Szechuen.

Family 49. ANGUILLIDÆ

315. Anguilla bengalensis Gray. Shanghai, Ningpo.
316. Anguilla japonica T. & S. Ningpo, Nanking, Newchwang.
317. Anguilla sinensis McClelland.

Family 50. CONGRIDÆ

318. Astroconger myriaster Brevoort.
319. Conger japonicus Bleeker. Ningpo.
320. Anago anago Schlegel.
321. Uroconger lepturus Richardson. Swatow.

Family 51. OPHICHTHYIDÆ.

323. Ophichthus uniserialis Seale.
324. Chlevastes colubrinus Beddart.
325. Ophichthus cephalozona Gthr.
326. Ophichthus apicalis Bennett.
327. Scytalophis dicellurus Blkr. Amoy.
328. Pisoodonophis boro Ham-Buth. Swatow.
329. Pisoodonophis cancrivorus Kaup. Swatow.
330. Brachysomophis crocodilinus Bennett.
331. Cirrhimuræna chinensis Kaup. Sumatra, China.

Family 52. MURÆNESOCIDÆ

332. Muræsox cinereus Forskål. Chefoo, Ningpo, Swatow, Canton, Hongkong.
333. Muræsox talabon Cuv.

Family 53. ECHELIDÆ

334. Muræchthys gymnopterus Blkr. Swatow.

Family 54. MURÆNIDÆ

335. Muræna pardalis Schlegel.
336. Gymnothorax reevesil Richardson. Canton.
337. Gymnothorax kidako Schlegel.
338. Gymnothorax reticularis Lacep.
339. Gymnothorax thyrsoidea Rich.
340. Gymnothorax macrosiphon Blkr.
341. Gymnothorax macassariensis Blkr.
342. Gymnohtorax isingleena Richardson.
343. Gymnothorax dorsalis Seale. Hongkong.
344. Pseudechidna brummeri Blkr.

Family 55. MORINGUIDÆ

345. Moringua lumbricoidea Rich. Swatow.

Family 56. CYPRINODONTIDÆ

346. Panchax rubropunctatus Steindachner.
347. Oryzias latipes T. & S.

Family 57. PEGASIDÆ

348. Pegasus volitans L.
349. Parapegasus natans L.

Family 58. SOLENOSTOMIDÆ

350. Solenostomus cyanopterus Blkr.
351. Solenostomus paradoxus Pallas. Canton.

Family 59. SYNGNATHIDÆ

352. Syngnathus acusimilis Gthr. Chefoo.
353. Syngnathus schlegeli Kaup. Shanghai.
354. Syngnathus argyrostictus Kaup.
355. Syngnathus spicifer Rüppell.
356. Syngnathus pelagicus L.
357. Ichthyocampus belcheri Kaup.
358. Urocampus nanus Blkr. Manchuria.
359. Doryichthys boaja Blkr. Sumatra, Borneo, Siam.
360. Syngnathoides biaculeatus Bloch.
361. Hippocampus trimaculatus China Seas, Pinang, Tenasseria.
362. Hippocampus kelloggi Jordan and Snyder.
363. Hippocampus histrix Kaup.

Family 60. AULORHYNCHIDÆ

364. Aulichthys japonicus Brevoort. Korea.

Family 61. AULOSTOMIDÆ

365. Aulostomus chinensis Lacep.

Family 62. FISTULARIDÆ

366. Fistularia serrata Cuv. Swatow.
367. Fistularia petimba Lacep.
368. Fistularia starksi Jordan & Seale. Hongkong.

Family 63. MACRORHAMPHOSIDÆ

369. Macrorhamphosus japonicus Gthr.
370. Macrorhamphosus velitaris Pallas.

Family 64. CENTRISCIDÆ

371. Æoliscus strigatus Gthr.
372. Centriscus scutatus Linn.

Family 65. GASTEROSTEIDÆ

373. Pungitius sinensis Guichenot. Chihli, Yangtse.
374. Gasterosteus aculeatus Linn. Coasts and rivers.

Family 66. BELONIDÆ

375. Strongylura strongylura Van Hasselt. Swatow.
376. Strongylura fasciata Blkr.
377. Strongylura anastomella C. & V. Chefoo, Shangai.
378. Tylosurus schismatorhynchus Blkr.
379. Tylosurus giganteus Blkr.

Family 67. HEMIRHAMPHIDÆ

380. Euleptorhamphus longirostris Cuvier.
381. Zenarchopterus buffonis C. & V.
382. Zenarchopterus microstomus Basilewsky.
383. Zenarchopterus amblyurus Bleeker.
384. Hemiramphus commersonii Cuv.
385. Hemiamphus cantoris Blkr.
386. Hyporhamphus melanurus C. & V. Hongkong.
387. Hyjorhamphus intermedius Cantor. Pei Ho, Tientsin, Canton.
385. Hyporhamphus sajori Schlegel. Chefoo, Chinwangtao.
389. Hyporhamphus gernærti C. & V. Ningpo.

Family 68. EXOCŒTIDÆ

390. Exonautes brachycephalus Gthr. Chefoo, Ningpo.
391. Exonautes nigripinnis C. & V.
392. Exonautes cirriger Peters.
393. Cypselurus agoo Schlegel.
394. Cypselurus pœcilopterus C. & V.
395. Cypselurus hirundo Steind. Hongkong.
396. Cypselurus arcticeps Gthr.
397. Cypselurus solandri C. & V.
398. Cypselurus spilonotopterus Blkr.
399. Parexocœtus bractopterus Solander.
400. Parexocœtus mento C. & V.
401. Exocœtus volitans Linn. Shanghai.

Family 69. HOLOCENTRIDÆ

402. Ostichthys japonicus C. & V.
403. Holocentrus ruber Forskål. Hongkong.
404. Holocentrus diadema C. & V.
405. Myripristis murdjan Forskål. South Seas.

Family 70. MONOCENTRIDÆ

406. Monocentris japonicus C. & V.

Family 71. OSPHROMENIDÆ

407. Osphromenus gourami Lacep.
408. Macropodus operculatus Gmelin. W. to Ichang.
409. Trichogaster leeri Bleeker.
410. Trichogaster pectoralis Regan. Siam, Malay Pen.

Family 72. ANABANTIDÆ

411. Anabas scandens L. India.

Family 73. OPHIOCEPHALIDÆ

412. Ophicephalus striatus Bloch. So. China.
413. Ophicephalus aspilotus Sauv. & Dabry.
414. Ophicephalus guntheri Sauvage & Dabry
415. Ophicephalus lucius Kuhl & Hasselt. Shanghai.
416. Ophicephalus nigricans C. & V. Ningpo.
417. Ophicephalus marulius B. & S.
418. Ophicephalus grandiosus C. & V. Yangtse, Kiangsu.
419. Ophicephalus argus Cantor.
420. Ophicephalus maculatus Lacep. Swatow, Hongkong.
421. Channa sinensis Sauvage.
422. Channa ocellatus Peters. Nanking, Fukien.

Family 74. ATHERINIDÆ

423. Atherina bleekeri Gthr.

Family 75. MUGILIDÆ

424. Mugil cephalus L. Chingwangtao to Hongkong.
425. Mugil stronglylocephalus C. & V. Swatow, Hongkong.
426. Mugil affinis Gthr. Coast of Amoy.
427. Mugil tade Forskål. Amoy.
429. Mugil hæmatochilus T. & S.
430. Liza waigiensis Day. Shanghai.
431. Liza ceramensis Blkr.
432. Liza troscheli Blkr. Swatow.
433. Myxus analis Kner. Shanghai.

Family 76. SPHYRÆNIDÆ

434. Sphyræna nigripinnis T. & S.
435. Sphyræna obtusata C. & V. Ningpo.
436. Sphyræna pinguis Gthr. Chefoo, Chinwangtao.
437. Sphyræna putnamiæ Jordan & Seale. Hongkong.

Family 77. GEMPYLIDÆ

438. Gempylus serpens C. & V.

Family 78. TRICHIURIDÆ

439. Trichiurus savala Cuv.
440. Trichiurus japonicus C. & V. Swatow, Ningpo, Chinwangtao.
441. Trichiurus haumela Forskål.

Family 79. XIPHIIDÆ

442. Xiphias gladius Linn.

Family 80. CSTIOPHORIDÆ

443. Istiophorus orientalis. T. & S.
444. Makaira mitsukurii J. & S.
445. Makaira mazara J. & S.

Family 81. CARANGIDÆ

446. Scomberoides lysan Forskål.
447. Scomberoides sancti-petri C. & V.
448. Scomberoides orientalis J. & S.
449. Seriola aureovittata J. & S. Chefoo.
450. Seriola purpurascens Schlegel. Ningpo.
451. Seriolina intermedia T. & S.
452. Naucrates indicus C. & V.
453. Elagatis bipinnulatus Quoy & Gaimard.
454. Trachinotus falcatus Forskål.
455. Trachinotus melo Richardson.
456. Trachurus japonicus T. & S. Korea, Ningpo.
457. Trachurops declivis Jenyns.
458. Megalaspis cordyla L.
459. Decapterus fasciatus Blkr.
460. Decapterus muroadsi T. & S.
461. Decapterus maruadsi T. & S. Swatow, Amoy, Ningpo.
462. Gnathanodon speciosus L.
462. Selaroides leptolepis C. & V. Swatow.
464. Trachurops manritiana Quoy & Gaimard.
465. Selar djeddaba Forskål.
466. Selar malam Blkr.
467. Caranx kalla C. & V. Swatow.
468. Selar affinis Rüppell.
469. Citula deani J. & S.
470. Caranx ignobilis Forskål.
471. Caranx sexfasciatus Q. & G.
472. Caranx xanthopygus C. & V.
473. Caranx altissimus Jordan & Seale. Hongkong, Amoy.
474. Citula malabrica B. & S. Swatow.
475. Citula chrysophrys C. & V.
476. Citula armata Forskål.
477. Atropus atropus B. & S. Chefoo.
478. Alectis gallus Linn.
479. Alectis ciliaris Bloch.

Family 82. APOLECTIDÆ

480.1. Apolectus niger Bloch. Swatow.

Family 83. THUNNIDÆ

482. Thunnus orientalis T. & S.
483. Neothunnus macropterus T. & S.
484. Sarda orientalis T. & S.

Family 84. KATSUWONIDÆ

485. Katsuwonus vagans Lesson.
486. Auxis thazard Lacep.
487. Auxis tapeinosoma Blkr.

Family 85. CYBIIDÆ

488. Cybium commersoni Lacep. S. China.
489. Scomberomorus sinensis Lacep. Chefoo.
490. Scomberomorus guttatus B. & S. Swatow.
491. Scomberomorus gracileus Gthr. Chefoo, Chinwangtao.

492. Sawara niphonia C. & V. Ningpo, Peitaiho.

Family 86. ACANTHOCYBIIDÆ

493. Acanthocybium sara Bennett. Korea.

Family 87. NOMEIDÆ

494. Nomeus gronovii Gmelin.

Family 88. CENTROLOPHIDÆ

495. Schedophilus maculatus Gthr.

Family 29. STROMATEIDÆ

496. Psenopsis anomala T. & S.

Family 90. PAMPIDÆ

497. Pampus cinereus Bloch. Port Arthur.
498. Pampus argenteus Euphrasen. Canton, Swatow.
499. Pampus candidus C. & V. S. China.
500. Pampus sinensis Euphrasen.
501. Pampus echinogaster Basilewsky. N. China.

Family 91. LACTARIIDÆ

502. Lactarius lactarius B. & S.

Family 92. RACHYCENTRIDÆ

503. Rachycentron canadum L.

Family 93. LEIOGNATHIDÆ

504. Leiognathus ruconia Hamilton.
505. Secutor insidiator Bloch. Hongkong.
506. Leiognathus argentea Houttuyn. Amoy.
507. Leiognathus rivulata C. & V.
508. Leiognathus lineolata C. & V.

Family 94. CORYPHÆNIDÆ

509. Coryphæna hippurus L.

Family 95. LAMPRIDÆ

510. Lampris regia Bonnaterre.

Family 96. BRAMIDÆ

512. Brama raii L.
513. Brama dussumieri C. & V.

Family 97. MENIDÆ

514. Mene maculata B. & S.

Family 98. PEMPHERIDÆ

515. Pempheris oualensis C. & V.
516. Liopempheris sasakii Jordan & Hubbs.
517. Liopempheris vanicolensis C. & V.

Family 99. APOGONIDÆ

518. Apogonichthys carinatus C. & V.
519. Apogon annularis Rüppell.
520. Apogon bifasciatus Rüppell.
521. Apogon lineatus T. & S. Chefoo.
522. Apogon nigripinnis C. & V.
523. Apogon quadrifasciatus C. & V.
524. Apogon trivittatus Blkr.
525. Apogon monochrous Blkr.

Family 100. SCOMBROPIDÆ

526. Scombrops boops Houttuyn. Tsushima.

Family 101. AMBASSIDÆ

527. Ambassis gymnocephalus Lac.
528. Ambassis vachellii Richardson.

Family 102. KUHLIIDÆ

529. Safole tæniura C. & V.
530. Kuhlia marginata C. & V.
531. Kuhlia rupestris C. & V.

Family 103. LATIDÆ

532. Psammoperca waigiensis.

Family 104. PRIACANTHIDÆ

533. Priacanthus japonicus C. & V.
534. Priacanthus macracanthus C. & V.

Family 105. DIPLOPRIONIDÆ

535. Diploprion bifasciatus K. & H. Hongkong.

Family 106. MORONIDÆ

536. Lateolabrax japonicus C. & V. Hongkong.

Family 107. EPINEPHELIDÆ

537. Bryttosus kawamebari T. & S.
538. Coreoperca herzi Herzenstein. N. China, Korea.
539. Siniperca chuatsi Basil. Manchuria, Shanghai, Ichang.
540. Siniperca chuantsi Basilewsky N. China toNingpo.
541. Siniperca scherzeri Steindachner. Shanghai, Ichang.
542. Siniperca kneri Garman. Ichang.
543. Stereolepis ischinagi Hilgendorf. Korea.
544. Aulacocephalus temmincki Boul. Siam to Japan.
545. Plectropomus maculatus Bloch.
546. Cephalopholis pachycentrus C. & V.
547. Cephalopholis bœnack Bloch.
548. Cephalopholis argus B. & S.
549. Cephalopholis leopardus Lacep.
550. Trisotropis dermopterus T. & S.
551. Epinephelus flavocæruleus Lacep.
552. Epinephelus undulosus Q. & G.
553. Epinephelus chlorostigma C. & V.
554. Epinephelus latifasciatus T. & S. Shanghai.
556. Epinephelus morrhua C. & V.
557. Epinephelus diacanthus C. & V. Shanghai, Amoy, Hongkong.
558. Epinephelus brunneus Bloch. Canton.
559. Epinephelus sexfaciatus C. & V.
560. Epinephelus akaara T. & S. Shanghai.
561. Epinephelus ionthas Jordan & Metz. Fusan.
562. Epinephelus megachir Richardson.
563. Epinephelus fario Thunberg.
564. Epinephelus septemfasciatus Thunberg.
565. Epinephelus awaara T. & S. So. China.
566. Epinephalus moara T. & S.
567. Epinephalus nebulosus C. & V. Ningpo.
568. Epinephalus merra Bloch.
569. Epinephalus fasciatus Forskål.
570. Epinephalus tsirimenara T. & S. Korea.
571. Epinephalus tauvina Forsk. Swatow.
572. Cromileptes altivelis C. & V.

Family 108. NIPHONIDÆ

573. Niphon spinosus C. & V.

Family 109. GLAUCOSSOMIDÆ

574. Glaucosoma fauvelli Sauvage. Swatow.

Family 110. PLESIOPIDÆ

525. Plesiops nigricans Rüpp.

Family 111. LOBOTIDÆ

576. Lobotes surinamensis Bloch.

Family 112. LUTIANDÆ

577. Lutianus gembra C. & V.
578. Lutianus kasmira Forskål. Swatow.
579. Lutianus rangus C. & V.
580. Lutianus russelli Blkr. Hongkong.
581. Lutianus fulviflamma Forskål.
582. Lutianus johnii Bloch. Shanghai, Swatow.
583. Platyginius sparus T. & S.
584. Etelis carbunculus C. & V.
585. Aphareus furcatus Lacep.

Family 113. THERAPONIDÆ

586. Therapon theraps C. & V. Amoy.
587. Therapon quadrilineatus Bloch. Japanese and Chinese seas.
588. Therapon servus Bloch. Swatow, Amoy.
589. Therapon oxyrhynchus T. & S. Swatow.

Family 114. HÆMULIDÆ

590. Pomadasys hasta Bloch. Swatow.
591. Pomadasys pihloo Richardson. Canton.
592. Pomadasys japonicus C. & V. Canton.
593. Parapristipoma trilineatum Thunberg.
594. Plectorhynchus affine Gthr.
595. Plectorhynchus pictus Thunberg.
596. Plectorhynchus microlepidotus Peters.
597. Plectorhynchus reticulatus Gthr.
598. Plectorhynchus cinctus T. & S.
599. Hapalogenys nigripinnis T. & S. Chefoo, Ningpo, Canton.
600. Hapalogenys mucronatus B. & S. Canton, Amoy, Ningpo.
601. Scolopsis japonicus Bloch. Chinese Sea.
602. Scolopsis margaritifer C. & V.
603. Scolopsis bimaculatus Rüppell.
604. Scolopsis inermis T. & S. Korea.

Family 115. BANISOBIDÆ

605. Banjos banjos Rich.

Family 116. CÆSIONIDÆ

606. Cæsia lunaris C. & V.
607. Cæsio chrysozona K. & V.
608. Cæsio cærulaureus Lacep.

Family 117. SPARIDÆ

609. Lethrinus nematacanthus Bleeker.
610. Lethrinus hæmatopterus T. & S.
611. Lethrinus chœrorhynchus T. & S.
612. Euthyopteroma virgatum Houttuyn. Ningpo.
613. Euthyopteroma bathybium Snyder.
614. Gymnocranius griseus T. & S.
615. Taius tumifrons T. & S. Shanghai.
616. Evynnis cardinalis Lacep. Swatow, Ningpo, Chinwangtao.
617. Pagrosomus major T. & S. Ningpo, Chefoo.
618. Sparus aries T. & S. Swatow.
619. Sparus latus Hout. Amoy, Swatow.
620. Sparus macrocipholus Basilewsky. Chefoo.

Family 118. GIRELLIDÆ

621. Girella punctata Gray.
622. Girella melanichictys Rich.
623. Girella mezina Jordan & Starks.

Family 119. KYPHOSIDÆ

624. Kyphosus lembus C. & V.
625. Kyphosus cinerascens Forskål.

Family 120. GERRIDÆ

626. Gerres punctatus C. & V.
627. Gerres poeti C. & V.
628. Gerres limbatus C. & V. Hainan.
629. Gerreomorpha japonica Blkr. Swatow, Canton.
630. Gerreomorpha decacantha Blkr. Amoy.

Family 120. MULLIDÆ

631. Upeneus moana Jordan & Seale.
632. Upeneus pleurotænia Playfair. Hongkong.
633. Upeneus spilurus Blkr.
634. Upeneus indicus Lacep.
635. Upeneus barbarinus Lacep.
636. Upeneus chrysopleuron T. & S. S. China.
637. Mulloides flavolineatus Lacep.
638. Upeneoides bensasi T. & S. Swatow, Korea.
639. Upeneoides sulphureus C. & V.
640. Upeneoides tragula Richardson.
641. Upeneoides subvittatus T. & S. So. China.
642. Upeneoides vittatus Forskål.

Family 122. POLYNEMIDÆ

643. Eleutheronema tetradactylum Shaw. Amoy.
644. Polynemus plebejus Gmelin. Swatow, Amoy.
645. Polynemus multiradiatus Gthr. China Sea.
646. Polynemus xanthonemus C. & V.
647. Polynemus sextarius Bloch.
648. Galeoides microps Stein.

Family 123. SILLAGINIDÆ

649. Sillago sihama Forsk. Amoy.
650. Sillago japonica T. & S. Chinwangtao, Swatow.

Family 124. BRANCHIOSTEGIDÆ

651. Branchiostegus japonicus Houttuyn.

Family 125. CEPOLIDÆ

652. Cepola schlegelii Blkr. Swatow.
653. Acanthocepola krusensternii T. & S. Canton.
654. Acanthocepola limbata C. & V. Formosa.
655. Acanthocepola oxylepis Blkr.

Family 126. SCIÆNIDÆ

656. Nibea albiflora Rich. Chefoo.
657. Nibea nibe Jordan & Thompson. Korea
658. Nibea japonica T. & S. Chemulpo.
659. Nibea schlegeli Blkr.
660. Nibea sina C. & V. Chinwangtao, Ningpo.
661. Nibea iharæ Jordan & Metz. Chemulpo.
662. Bola coitor C. & V.
663. Bola diacanthus Lacep.
664. Bola axillaris C. & V. Swatow.
665. Johnius carutta Bloch.
666. Johnius belangeri C. & V.
667. (Johnius) fauveli Sauvage. Swatow.
668. (Johnius) amblyceps Blkr.
669. (Johnius) amoyensis Blkr.
670. Othonias undivittatus Jordan & Seale. Hongkong, Port Arthur.
671. Larimichthys rathbunæ J. & S.
672. Collichthys lucidus Rich. Korea.
673. Collichthys fragilis Jordan & Seale. Fusan.
674. Collichthys nirveatus Jordan & Starks. Port Arthur, Chinnampo.

Family 127. APLODACTYLIDÆ

675. Goniistius zonatus C. & V. Fusan.

Family 128. CIRRHITIDÆ

676. Isobuna japonica Steindachner.

Family 129. OPLEGNATHIDÆ

677. Oplegnathus fasciatus T. & S. Canton.
678. Oplegnathus punctatus T. & S. Canton.

Family 130. EMBIOTOCIDÆ

679. Neoditrema ransonneti Steindachner. Korea.
680. Ditrema temmincki Blkr. Chefoo.

Family 131. POMACENTRIDÆ

681. Amphiprion polymnus Linn. Canton.
682. Amphiprion perculus Lacep.
683. Amphiprion frenatus Brevoort.
684. Amphiprion bifasciatus B. & S.
685. Dascyllus aruanus C. & V.
686. Dascyllus marginatus Gthr.
687. Dascyllus reticulatus Rich.
688. Pomacentrus dorsalis C. & V.
689. Pomacentrus bankanensis Blkr.
690. Pomacentrus trimaculatus C. & V.
691. Pomacentrus nigricans C. & V.
692. Pomacentrus jordani Rutter. Swatow.
693. Chromis notatus T. & S.
694. Chromis analis C. & V.
695. Chromis cinerascens C. &V.
696. Abudefduf sordidus Forsk.
697. Abudefduf septemfasciatus C. & V.
698. Abudefduf saxatilis Linn.
699. Abudefduf bengalensis C. & V.
700. Abudefduf affinis Gthr.
701. Abdefduf sexfasciatus Lacep.
702. Chrysiptera bankieri Rich.
703. Chrysiptera plagiometopon Blkr.
704. Chrysiptera modesta T. & S.
705. Chrysiptera sinensis Blkr.
706. Chrysiptera zonata C. & V.

Family 132. LABRIDÆ

707. Chœrodon azurio J. & S.
708. Chœrodon cyanostolus Richardson. Hongkong.
709. Chœrodon schoenleini Blkr.
710. Semicossyphus reticulatus C. & V.

Family 133. CORIDÆ

711. Duymæria flagellifera C. & V.
712. Pseudolabrus japonicus Houttuyn.
713. Pseudolabrus gymnogenys Steindachner.
714. Stethojulis interrupta Bennett. Hongkong.
715. Stethojulis renardi Blkr.
716. Stethojulis strigiventer Bennett. Ningpo.
717. Stethojulis kalosoma Blkr.
718. Stethojulis phekadopleura Blkr.
719. Stethojulis trossula Jordan & Snyder.
720. Halichœres minutus Blkr.
721. Halichœres guttatus Bloch.
722. Halichœres tenuispinis Gthr. Amoy.
723. Halichœres hyrtli Blkr.
724. Halichœres nigrescens Blkr.
725. Halichœres poecilopterus T. & S.
726. Halichœres chloropterus Bloch.
727. Halichœres trimaculatus Blkr.
728. Coris aygula Lacep.
729. Pseudocoris heteropterus Blkr.
730. Cheilio inermis Forskål.
731. Thalassoma purpureum Forskål.
732. Thalassoma melanochir Blkr.
733. Thalassoma fuscum Lacep.
734. Thalassoma umbrostigma Rüppell.
735. Thalassoma lunare L.
736. Thalassoma dorsale Q. & G.
737. Gomphosus varius Lacep.
738. Gomphosus tricolor Q. & G.
739. Cheilinus oxyrhynchus Blkr.
740. Cheilinus trilobatus Lacep.
741. Cheilinus fasciatus Bloch.
742. Iniistius pavoninus C. & V. Swatow.
743. Iniistius dea T. & S. Canton.
744. Hemipteronotus pentadactyla L.
745. Xyrichthys punctulatus C. & V.
746. Epibulus insidiator Pall.

Family 134. SCARIDÆ

747. Leptoscarus japonicus C. & V.
748. Scarus gracilis Steindachner.
749. Scarus æruginosus Blkr.
750. Scarus limbatus Rich. Hongkong.
751. Scarus chinensis Steindachner.
752. Scarus celebicus Blkr.

Family 135. ZEIDÆ

753. Zeus japonicus C. & V.

Family 136. SCATOPHAGIDÆ

754. Scatophagus argus Gmelin. Swatow.

Family 137. PLATACIDÆ

755. Platax teira Forskål.
756. Platax vespertilio Bloch.

Family 138. DREPANIDÆ

757. Drepane puctata Gmelin. Swatow.

Family 139. CHÆTODONTIDÆ

758. Chætodon setifer Bloch.
759. Chætodon vagabundus L.
760. Chætodon kleinii Bloch.
761. Chætodon chrysozonus Cuv.
762. Chætodon robustus Bleeker.
763. Chætodon fasciatus Forskål.
764. Coradion modestum T. & S. Amoy.
765. Microcanthus strigatus C. & V.
766. Heniochus macrolepidotus Linn. Canton.
767. Acanthochætodon septentrionalis Schlegel.
768. Holacanthus imperator Bl.
769. Holacanthus annularis Bloch .
770. Holacanthus diacanthus Güuther.

Family 140. ZANCLIDÆ

772. Zanclus cornutus Linn.

Family 141. ACANTHURIDÆ

773. Acanthurus bipunctatus Gthr.
774. Acanthurus triostegus L.
775. Ctenochætus striatus Q. & G.
776. Xesurus scalprum C. & V.
777. Naso unicornis Forsk.

Family 142. TEUTHIDÆ

788. Teuthis fuscescens Houttuyn. Hongkong, Amoy, Swatow.
779. Teuthis oramin B. & S. Amoy.
780. Teuthis virgatus C. & V.

Family 143. TRIACANTHIDÆ

781. Triacanthus strigilifer Gthr.
782. Triacanthus brevirostris T. & S. Swatow, Shanghai.

Family 144. BALISTIDÆ

783. Sufflamen chrysopterus B. & S.
784. Sufflamen capistratus Shaw.
785. Pseudobalistes flavimarginatus Rüppell.
786. Balistes vidua Richardson.
787. Balistopus undulatus Park.
788. Balistapus aculeatus L.
789. Canthidermis rotundatus Procé.
790. Abalistes stellatus B. & S.

Family 145. MONACANTHIDÆ

791. Monacanthus chinensis Bloch.
792. Monacanthus tomentosus C. & V.
793. Monacanthus sulcatus Hollard. Swatow.
794. Paramonacanthus knerii Steind.
795. Monacanthus helleri Steind.
796. Monacanthus japonicus Tilesius. Shanghai.

797. Monacanthus cirrhifer T. & S.
798. Pseudomonacanthus modestus Gthr.
799. Paraluteres prionurus Blkr.
800. Alutera scripta Osbeck.
801. Alutera nasicornis T. & S.

Family 146. OSTRACIIDÆ

802. Tetrosomus gibbosus Linn.
803. Ostracion immaculatum T. & S.
804. Lactoria diaphana B. & S. Hainan.
805. Lactoria cornuta Linn.

Family 147. TRIODONTIDÆ

806. Triodon bursarius Reinwardt.

Family 148. TETRAODONTIDÆ

807. Chronerhinus naritus Rich.
808. Lagocephalus lunaris B. & S. Swatow.
809. Lagocephalus spadiceus Rich. Canton.
810. Lagocephalus sceleratus Forster.
811. Lagocephalus inermis T. & S.
812. Chelonodon patoca Ham. & Buch. Canton.
813. Sphœroides rubripes T. & S. Shanghai, Yangtse R.
814. Sphœroides xanthopterus T. & S.
815. Sphœroides pardalis T. & S.
816. Sphœroides exascurus Jordan & Snyder.
817. Sphœroides ocellatus Osbeck. Pei Ho, Tientsin, Ningpo.
818. Sphœroides basilewskianus Basil.Chihli.
819. Sphœroides alboplumbeus T. & S. Amoy.
820. Sphœroides vermicularis T. & S.
821. Sphœroides bimaculatus Rich.
822. Sphœroides borealis J. & S.
823. Sphœroides macclellandi Regan.
824. Sphœroides niphobles J. & S.
825. Sphœroides oblongus Bloch.
826. Ovoides honckenii Blgr. Ningpo.
827. Ovoides aerostaticus Jenyus. Singapore to Japan.
828. Ovoides mappa Lesson.
829. Canthigaster margaritatus Rüpp.

Family 149. DIODONTIDAE

830. Diodon holacanthus.

Family 150. MOLIDÆ

831. Mola mola L.

Family 151. SCORPÆNIDÆ

832. Sebastosomus inermis C. & V. Chefoo.
833. Sebastosomus schlegeli Hilgendorf.
834. Pteropodus trivittatus Hilgendorf.
835. Pteropodus mitsukurii Cramer.
836. Pteropodus pachycephalus T. & S. Canton.
837. Sebastocles elegans Steindachnar & Doderlein.
838. Sebastiscus marmoratus C. & V.
839. Scorpæna armata Savage.
840. Scorpænopsis diabolus Renard. Canton
841. Scorpænopsis cirrhosa Thumb.
842. Scorpænopsis gibbosa B. & S.
843. Scorpænodes serrulat Richardson.
844. D43-A Scorpænodes longicapa Rich.
845. Amblyapistus tænianotus Blkr.
846. Synanceja horrida L.
847. Trachicephalus uranoscopus B. & S. Swatow.
848. Hypodytes rubripinnis T. & S.
849. Hypodytes longispinis C. & V.
850. Centropogon urostigma Blkr.
851. Apistus alatus C. & V.
852. Minous inermis Alcock.
853. Minous monodactylus B. & S.
854. Cottapistus leurynnis Jordan and Seale. Hongkong.
855. Cottapistus cottoides Gthr.
856. Vespicula leucogaster Richardson.
857. Vespicula gogorzae J. & S.
858. Vespicula sinensis Blkr.
859. Pterois volitans L. Swatow.
860. Pterois lunulata T. & S.
861. Brachirus zebra C. & V.
862. Choridactylus multibarbis Rich.
863. Inimicus cuvieri Gray.
864. Inimicus sinensis C. & V.
865. Inimicus aurantiacus T. & V. Chefoo, Amoy.
866. Inimicus japonicus C. & V.
867. Inimicus maculatus C. & V.
868. Aploactis aspera Richardson.
869. Trichopleua mollis Richardson.

Family 152. HEXAGRAMMIDÆ

870. Agrammus agrammus Schl.
871. Hexagrammos otakii J. & Starks. Chihli.

Family 153. COTTIDÆ

872. Trachidermus fasciatus Heckel. Ningpo, Chinwangtao.
873. Trachidermus ansatus Rich.
874. Cottus pœcilopus Heckel.
875. Cottus pollux Gthr.
876. Myoxocephalus sinensis Sauv.
877. Furcina dabryi Sauv.
878. Pseudoblennius cottoides Rich.

Family 154. HEMITRIPTERIDÆ

879. Hemitripterus villosus Pallas.
880. Hemitripterus sinensis Sauv.

Family 155. PARABEMBRIDÆ

881. Parabembras curtus T. & S.

Family 156. PLATYCEPHALIDAE

882. Onigrocia macrolepis Bleeker.
883. Wakiyus spinosus T. & S. Swatow.
884. Inegocia japonica Tiles. Chefoo.
885. Insidiator detrusus Jordan & Seale. Hongkong.
886. Cocia crocodilus Tilesius. Chinwangtao.
887. Grammoplites neglectus Toschel. Hongkong.
888. (Inegocia) isacanthus C. and V. Macao.
889. Insidiator meerdervoortii Blkr.
890. Rogadius asper C and V. Swatow.
891. Platycephalus indicus L. Canton to Chihli.

Family 157. TRIGLIDÆ

892. Lepidotrigla alata Houtt.
893. Lepidotrigla burgeri Gthr. Swatow.
894. Lepidotrigla microptera Gthr. Shanghai.
895. Lepidotrigla guntheri Hilgendorf.
896. Lepidotrigla japonica Blkr.
897. Chelidonichthys kumu Lesson and Garnot. Chefoo to Canton.

Family 158. PERISTEDIIDÆ

898. Peristedion orientale T. & S.
899. Peristedion rieffeli Kaup.

Family 159. DACTYLOPTERIDÆ

900. Dactyloptena orientalis C. & V.
901. Daicocus peterseni Nystrom.

Family 160. AGONIDÆ

902. Podothecus sturioides Guichenot.

Family 161. ECHENEIDÆ

903. Remorina albescens T. & S.
904. Remoropsis brachyptera Lowe.

905. Remora remora Linn. Ningpo, Hongkong.
906. Echeneis naucrates Linn. Chefoo.

Family 162. TRICHONOTIDÆ

907. Trichonotus filamentosus Steind.

Family 163. ELEOTRIDÆ

908. Bostrychus sinensis Lacep. Swatow, Ningpo, Shanghai, Riukiu.
909. Valenciennea elegans Blkr.
910. Odontobutis obscurus Schl. Shanghai, Chinkiang.
911. Ophiocara ophiocephalus K. & H. Ningpo.
929. Micropercops dabryi Fowler. Soochow.
930. Micropercops cinctus Dabry. Swatow, Kiangsi, Shanghai.
912. Eleotris xanthi Gthr. Yangtse River, Ichang.
913. Eleotris swinhonis Gthr. Shanghai.
914. Eleotris flammans Cantor.
915. Eleotris potamophila Gthr. Chinkiang, Yangtse River, Ningpo.
916. Eletoris davidi Sauvage. Ningpo.
917. Eleotris balia Jordan & Seale. Hongkong.
918. Eleotris oxycephala Schl. Macao, Ningpo, T. & S.
919. Butis butis Buch.-Ham. Shanghai.
920. Butis koilomatodon Blkr. Canton, Ningpo.

Family 164. PERIOPHTHALMIDÆ

921. Boleophthalmus pectinirostris Gml.
922. Boleophthalmus serperaster Rich. Swatow.
923. Boleophthalmus polyophthalmus Gthr.
924. Boleophthalmus maculatus Oshima.
925. Scartelaos viridis Buch.-Ham. Canton to Shanghai.
926. Periophthalmus barbarus Linn. Hongkong to Shanghai.

Family 165. GOBIIDÆ

927. Gobiodon micropus Gthr.
928. Gobiodon ceramensis Blkr.
931. Gnatholepis deltoides Seale.
932. Gnatholepis calliurus Jordan & S.
933. Gobius ophthalmotænia Blkr.
934. Gobius fuscus Rüppell.
935. Rhinogobius caninus C. & V.
936. Rhinogobius margariturus Rich.
937. Rhinogobius cyanomos Blkr. Swatow.
938. Rhinogobius brevirostris Gthr.
939. Rhinogobius bernadoui J. & S.
940. Rhinogobius similis Gill.
941. Rhinogobius giurinus Rutter. Swatow.
942. Rhinogobius davidi Sauv. Chekiang.
943. Paragobiodon echinocephalus Rüpp.
944. Drombus palackyi J. & S.
945. Drombus ripilepis Rich.
946. Aboma lactipes Hilgendorf. Peitaiho, Soochow.
947. Aboma tsushimæ Jordan & S. Tsushima.
948. Cryptocentrus filifer C. & V. Canton.
429. Cryptocentrus venustus Jordan & Seale. Hongkong.
950. Oxyurichthys cristatus.
951. Oxyurichthys microlepis Blkr.
952. Oxyurichthys amabilis Seale.
953. Glossogobius brunneus T. & S. Macao-North.
954. Glossogobius giuris Ham. Buch. Nanking, Swatow.
955. Glossogobius grammepomus Blkr.
956. Glossogobius abacopus Jordan & Richardson.
957. Chænogobius macrognathos Blkr.
958. Chloea sarchynnis J. & S. Korea.
959. Chasmichthys dolichognathus Hilgendorf.
960. Chasmichthys gulosus Sauv.
961. Pterogobius elapoides Gthr.
962. Lophiogobius ocellicauda Gthr. Chefoo, Shanghai.
963. Acanthogobius flavimanus Schl. Swatow, Chefoo, Newchwang.
964. Acanthogobius hasta Sch.
965. Acanthogobius stigmothonus Rich.
966. Acanthogobius ommaturus Rich. Swatow, Amoy.
967. Parachæturichthys polynemus Blkr.
968. Chæturichthys stigmatias Rich. Swatow, Shanghai.
969. Chaæturichthys hexanemus Blkr.
970. Triænopogon barbatus Günther. Swatow, Shanghai.
971. Tridentiger obscurus T. and S. North China.
972. Tridentiger trigonocephalus Gill. Chefoo, Shanghai, Swatow.
973. Tridentiger tæniatus Gthr. Chefoo.
974. Trypauchen chinensis Sieindachner.

Family 166. TRYPAUCHENIDÆ

975. Trypauchen wakæ J. & Snyder. Ningpo.
976. Trypauchen vagina Blkr. Swatow,

Family 167. GOBIOIDIDÆ

977. Tænioides abbotti Jordan & Starks.

Family 168. PARAPERCIDÆ

978. Parapercis pulchella E. & S. Canton.
979. Parapercis snyderi J. & Starks. Korea.
980. Parapercis cylindrica, Bloch.
981. Neopercis sexfasciata T. & S.

Family 169. URANOSCOPIDÆ

982. Uranoscopus oligolepis Blkr.
983. Uranoscopus japonicus Hout. Swatow, Korea.
984. Uranoscopus bicinctus Tem. & Schl.
985. Uranoscopus chinensis.
986. Ichthyscopus lebeck Schneider.

Family 170. CHAMPSODONTIDÆ

987. Champsodon vorax Gthr. China Sea.

Family 171. CALLIONYMIDÆ

988. Calliurichthys reevesii Richardson.
989. Calliurichthys japonicus Houttuyn. Canton.
990. Callionymus olidus Gthr. Shanghai.
991. Callionymus hindsii Rich.
992. Callionymus lunatus T. & S.
993. Callionymus curvicornis C. and V.

Family 172. CLINIDÆ

994. (Clinus) nematophorus Günther.

Family 173. BLENNIDÆ

995. Blennius sinensis Günther.
996. Petroscirtes anema Blkr.
997. Petroscirtes cyprinoides.
998. Petroscirtes dispar Blkr. Amoy.
999. Petroscirtes bankieri Rich.
1000. Salarias bellus Blgr.
1001. Salarias lineatus C. & V
1002. Salarias nitidus Gthr

Family 174. PHOLIDÆ

1003. Enedrias nebulosus Temm. & Schl. Chefoo.

Family 175. CEBIDICHTHYIDÆ

1004. Zoarchias aculeatus Basilewsky.
1005. Dictyosoma burgeri Van der Hoevem.

Family 176. STICHÆIDÆ

1006. Ernogrammus hexagrammus Schl. Chefoo, Ningpo.
1007. Dinogunellus grigorjewi Herzenstein.

Family 177. ANARHICHADIDÆ

1008. Anarhichas fasciatus Blkr.

Family 178. XIPHASIIDÆ

1009. Xiphasia setifer Swainson.

Family 178. ZOARCIDÆ

1010. Zoarces gilli Jordan & Starks, Korea.

Family 180. OXUDERCIDÆ

1011. Oxuderces dentatus Valenc. Macao.

Family 181. GADIDÆ

1012. Gadus macrocephalus Tilesius.
1013. Eleginus navaga Kölreuter. Korea.

Family 182. MERLUCCIDÆ

1014. Merluccius productus Ayres.

Family 183. GAIDROPSARIDÆ

1015. Gaidropsarus pacificus Temm. & Schl.

Family 184. PSETTODIDÆ

1016. Psettodes erumei Bennett.

Family 185. BOTHIDÆ

1017. Platophrys myriaster T. & S. So. China.
1018. Scaeops grandisquama T. & S.
1019. Arnoglossus tenuis Gthr. Hongkong.
1020. Arnoglossus tapeinosoma Blkr. Hongkong.

Family 186. HIPPOGLOSSIDÆ

1021. Pseudorhombus pentophthalmus Blkr. Canton.
1022. Pseudorhombus arsius B. & H. Swatow.
1023. Pseudorhombus polyspilos Blkr. Chefoo.
1024. Pseudorhombus russelli Grey. Chefoo.
1025. Pseudorhombus cinnamomeus T. & S. Hongkong north.
1026. Pseudorhombus oligodon Blkr. North China to Amoy.
1027. Paralichthys olivaceus T. & S. Hongkong, Amoy, Ningpo. Chefoo.
1028. Verasper variegatus T. & S. Chefoo.
1029. Verasper moseri J . & G. Chihli.
1030. Tephrinectes sinensis Lacep.
1031. Cleisthenes hertzensteini Schmidt. Chihli.

Family 187. PLEURONECTIDÆ

3032. Pleuronichthys cornutus T. & S. Swatow, Amoy.
1033. Pleuronichthys lighti Herre. Amoy.
1034. Limandella yokohamæ Gthr. Port Arthur.
1035. Kareius bicoloratus Basil. Chefoo.
1036. Clidoderma asperrimum Schl. Chefoo.

Family 188. SOLEIDÆ

1037. Heteromycterus japonicus T. & S.
1038. Microbuglossus ovatus Rich.
1039. Liachirus nitidus Gthr. China Coast.

Family 189. SYNAPTURIDÆ

1040. Zebrias zebrinus T. & S. Shangtung to Canton.
1041. Zebrias zebra Bloch T. & S. Chefoo, Chinwangtao, Swatow.
1042. Zebrias quagga Kaup. Hongkong, Ningpo.
1043. Aesopia cornuta Kaup. Swatow.
1044. Synaptura pan H. & B. Swatow.
1045. Synaptura foliacea Gthr.
1046. Synaptura orientalis Schu.

Family 190. CYNOGLOSSIDÆ

1047. Paraplagusia dipterygia Rüppell.
1048. Rhinoplagusia japonica Temm. & Schl. Amoy, Foochow, Mia Wha.
1049. Cynoglossus puncticeps Gthr.
1050. Cynoglossus lineolatus Steind. Swatow.
1051. Cynoglossus robustus Gthr. Shanghai.
1052. Cynoglossus macrolepidotus Blkr. Swatow.
1053. Cynoglossus melampetalus Rich. Swatow, Ningpo.
1054. Arelia arel B. & S. Hongkong.
1055. Areliscus abbreviatus Gray. Shanghai, Ningpo, Swatow.
1056. Areliscus interruptus Gthr.
1057. Areliscus trigammus Gthr. Swatow.
1058. Areliscus gracilis Gthr. Crefoo, Newchwang, Shanghai.
1059. Areliscus rhomaleus Jordan & Starks. Port Arthur to Swatow.

Family 191. LOPHIIDÆ

1061. Lophius litulon Jordan & Sindo.
1061. Lophiomus setigerus Vahl. Swatow, Ningpo.

Family 192. ANTENNARIIDÆ

1062. Histrio histrio L.
1063. Histrio raninus Tilesius.
1064. Antennarius tridens T. & S.
1065. Antennarius nummifer Blkr.
1066. Antennarius multiocellatus Gthr.
1067. Antennarius biocellatus Blkr.
1068. Halieutæa stellata Vahl.

SUPPLEMENTAL LIST OF RIVER FISHES

In addition to the Catalogue above completed, Dr. Reeves has furnished the following list of river fishes not included in the text, and many of them likely to occur in Northeastern China.

Osmerus dentex Steindachner. Manchuria, Okhotsk.
Parasilurus grahami Regan. Yunnan.
Parasilurus grahami Regan. Yunnan.
Aoria medianalis Regan. Yunnan fu.
Aoria pratti Gthr. River Ya.
Aoria pulcher Chaudhuri. Yunnan.
Hypselobagrus chinensis Steindachner. Canton.
Pseudobagrus emarginatus Sowerby. Yalu. S. Manchuria.
Liobagrus nigricauda Regan. Yunnan.
Liobagrus marginatus Gthr. Szechuan.
Exostoma andersoni Day. Hotha, Pousi (Yuanan).
Exostoma labiatum McClelland. S West China, East Assam.
Exostoma davidi Sauv. Lun ngan fu.
Glyptosternon conirostrum Steindachner. Szechuan, Yangtse River.
Amblyceps marginatus Gthr. River Ya, Szechuan, Tibet, Yangtse River.

Oreinus richardsonii Gray. Nampoung River.
Leptobotia elongata Blkr. Yangtse.
Lepidocephalichthys macrostigma Dabry. Peking, lakes of Central China, Yangtse.
Leptobotia mantschurica Berg.
Bothia patti Gthr. Szechuen, Yunnan.
Bothia superciliaris Gthr. Szechuen. Yunnan.
Lefua coreanus J. & Starks. Korea.
Misgurnus cestoides Kessler. Dalai Nor.
Ussuria leptocephala Nikolski. Ussuri R., E. Manchuria.
Misgurnus crossochilus Sauvage. Mts. of Koaten.
Nemachilus alticeps Herz. Tibet, Szechuen.
Nemachilus nigromaculatus Regan. Yunnan.
Nemachilus oxygnathus Regan. Yunnan.
Nemachilus potanni Blkr. Ya River.
Nemachilus pleurotænia Regan. Yunnan.
Nemachilus robustus Kessler. Kansu.
Nemachilus salmoides Chaudhuri. Yunnan.
Nemachilus sternurus Herz. Sources of Yanytse.
Nemachilus tibetanus Regan. Tibet.
Nemachilus variegatus Dabry. China.
Nemachilus ladacensis Günther. Tibet.
Nemachilus lhasae Regan. Tibet.
Nemachilus grahami Regan. Yunnan. China.
Nemachilus berozowskii Blgr. Hin-Hsian, Kansu, China.
Barbatula stoliczkae Steindachner. Tibet, Szechuen.
Oreonectes platycephalus Gthr. Mts. of Hongkong.
Barilius alburnops Regan. Yunnan.
Leucogobio strigatus Regan. Korea, Chongju.
Cyprinus micristius Regan. Yunnan.
Carassius gibeloides Blkr. Szechuan.
Labeo yunnanensis Chaudhuri. Yunnan.
Hemilabeo notabilis Peters. Hongkong.
Rohita macrochir Blkr.
Banzana davidii Sauv. Szechuan.
Crossochilus monticola Gthr. Ichang.
Gymnostomus moliterella Blkr. Canton.
Oreinus baileyi Lloyd. Tibet.
Ladislavia taczanowskii Dybowsky. North.
Gymnocypris dobula Gunther. Provinces near Tibet.
Gonoproxtopterus mylodon Berg. Korea.
Saurogobio athymius J. & Starks. Korea.
Gnathopogon tæniatus Gthr. Head waters Yangtse.
Aphyocypris ensarca J. & Starks. Korea.
Barbus sarana Ham.-Buch. Yangtse River.
Barbus mosae Ham.-Buch. Nampoung River (Yunnan).
Rasbora philippina Gthr. Hongkong.
Osteochilus brachynopterus Blkr. Hainan.
Acahara brandti Dybowski.
Ptychobarbus kazakovi Nikolski.
Moroco modestus J. & Metz. Korea.
Diptychus crassilabris Steind. Szinning fu.
Barbus margaritanus And. Nampoung R. Kaklyen Hills.
Sinibarbus vittatus Sauv.
Paratylognathus davidi Sauvage. Szechuan.
Gymnostomus lepturus Blgr. Hainan.
Barbus brevifilis Peters. Hongkong.
Barbus gerlachi Peters. Hongkong.
Systomus sinus Sauv.
Barbus melanopterus Blkr. (Puntungia.)
Hemibarbus longirostris Regan. Yalu River.
Barbodes deauratus C. & V. Canton.
Onychostoma laticeps Blkr. Kansu, Ichang.
Schizopygopsis stolickae Steind. Yangtse and Yellow River.
Schizopygopsis pylzovi Kessler. Kansu.
Barilius andersoni Regan. Yunnan.
Barilius platypus Schlegel.
Oreinus grahami Regan. Yunnan.
Hemitremia lagowskyi Dybowsky.
Hemicultrella Warpachowsky.
Hemicultrella sauvagei Warpachowski. W. Szechuan.
Hemicultrella soldatowi Nickolski. E. Mongolia.
Chuanchia labiosa Herzenstein. Amur region.
Gnathopogon coreanus Berg. Korea, Japan, and Amur region.
Mrigala sinensis Blkr. China.
Gymnocypris elloni Herz. E. Tibet.
Gymnocypris gasterolepidus Herz. Chaunche.
Gymnocypris thokonii Stewart. Tibet.
Gymnocypris potanini. Blue River.
Gymnocypris maculatus Herz. E. Tibet.
Gymnocypris roborowskii Herz. Kukumor.
Gymnocypris waddellii Regan. Tibet.
Barbus sara H. B. Szechuan.
Acahara hakonensis Gthr. Japan. Everywhere.
Moroco jouyi J. & Snyder. Island of Tsushima, Japan, etc.
Acahara semotilus J. & Starks. Korea.
Acahara mongolicus Kessler. Dalainor, Mongolia.
Discognathus, Hackel. India.
Discognathus imberbis Vinciguerra. Hainan.
Discognathus yunnanensis. Yunnan.
Discognathus prochilus Sauv. Szechuan.
Schizopygopsis przewalskii Kessler. Szechuan
Acanthogobio oxyrhynchus Nikolsi. Lake Chonca, Kirin.
Acanthogobio paitrhevskii Nikolsi. Lake. Chonca, Kirin.
Acanthogobio peltschevskii J. & Metz.
Pungtungia herzi Herzenstein. Korea.
Pseugobio styani Gthr. Kiukiang, Yangtze-
Megagobio nasutus Prejevalsky. Huang Ho,
Acanthorhodeus grahmi Nichols. Yunnan-fu, Mongolia.
Acanthorhodeus guichenoti Blkr. Shanghai, Yaungtse.
Acanthorhodeus hypselonotus Blkr. Yangtse.
Acheilognathus signifer Berg.
Acheilognathus coreanus Steindachner.
Rhodeus chosenicus J. & Metz.
Pseudoperilampus Londæ J. & Metz. Korea.
Barilius platypus Schlegel.
Moroco chuanchicus Kessler. Huang Ho.
Ochelobius lucens J. & Starks.
Danio kakhienensis Anderson. Kakhyen, Nampoung River (Yunnan).
Parapelecus jouyi Jordan & Starks.
Parapelecus eigenmanni J. & Metz.
Parapelecus paitrhevshkii Nikolsi. Lake.

Hemiculter machærioides Rich. Canton.
Hemiculter warpachowskii Nickolski. E. Mongolia, Lake Buir Nor.
Hemiculter schrencki. Foochow.
Hemiculter andrewski Nichols. Yunnan-fu, Yunnan.
Hemiculter dispar Peters. Hongkong.
Culter recurviceps Rich. Canton, Shanghai, N. China.
Pseudogobio kacjekensis Oshima.
Xenocypris plena Blkr. Canton.
Xenocypris homospilotus Richardson. Canton
Xenocypris nitidus Gar. Sha-shi in Hupeh.
Xenocypris prochilus Sauv. Szechuan.
Ctenopharyngodon laticeps Steind. Hongkong.
Ctenopharyngodon idellus C. & V. Ningpo, Yangtse, Shanghai, Ichang, Canton, Shasi, No. China, Hongkong.
Pseudogobio esocinus T. & S. Korea.
Aspiorhychus sartus Zugmayer. Asia.
Schizothorax potanini Herz.
Schizothorax taliensis. W. Yunnan Fu.
Schizothorax sinensis Herz. Lung-ang-fu, Yangtse.
Schizothorax dolichonema Herz. Yangtse.
Schizothorax argentatus Kessler. Kham.
Schizothorax duinelli Viciquerra. Central Asia.
Schizothorax dipogon Regan. Tibet.
Schizothorax kessleri Herz. Lung-ang-fu.
Schizothorax kozlovi Nikolski. Langtse, Dza Tju, C. Asia.
Schizothorax macropogon Regan. Tibet.
Schizothorax ladaënsis Zugmayer. Tibet.
Schizothorax montanus Zugmayer. Tibet.
Schizothorax connori Lloyd. Tibet.
Schizothorax potanini Gthr. Yangtse, Lung-ang-fu.
Schizothorax stewartii Lloyd. Tibet.
Schizothorax waltoni Regan. Tibet.
Schizopygopsis younghusbani Regan. Tibet.
Schizopygopsis guntheri Herz. Tibet, sources of Yellow R., Yangtse.
Schizopygopsis koslowi Herz. Upper Yangtse.
Schizopygopsis malacanthus Herz. Sources of Yangtse.
Schizopygopsis microcephalus Herz. Sources of Yangtse.
Tylognathus davidi Sauvage. Szechuan Occidental.
Barilius interrupta Day. Hotha, Yunnan.
Barilius mosal Ham. Buch. Kakhyen Hill.
Barbus grahami Regan. Yunnan.
Danio kakienensis And. Kakhyen Hill.
Barbus cogginii Chaudhuri.
Barbus margariatnus And. Yunnan, Nampoung River (Yunnan).
Barbus yunnanensis Regan. Yunnan.
Homaloptera abbreviata Gthr. Szechuan.
Homaloptera rotundicauda Martens. Hongkong.
Diplophysa nasalis Kessler. Dalai Nor.
Diplophysa intermedia Kessler. Dalai Nor.
Diplophysa dalaica Kessler. Dalai Nor.
Diplophysa costala Kessler. Dalai Nor.
Ompok canio Ham-Buch.
Ophisurus spadiceus Rich. Canton.
Gymnothorax dorsalis Seale. Hongkong.

MARINE SPECIES

Fluta cinerea Richardson. Yunnan, Woosung.
Mogurnda obscura Schlegel. Shanghai.
Syngnathoides biaculeatus. China, Canton.
Gasterosteus stenurus Kessler. Mongolia, Dalai Nor.
Mugil ventricosus Rich. Canton.
Caranx melampygus C. & V. Hainan, Kachek R.
Caranx cestus Rich. Canton.
Epinephelus megachi Rich. Canton.
Lujanus bengalenssis Bl. Hongkong.
Lutianus fuscescens C. & V. Canton.
Lutianus crythropterus Bloch. Hongkong.
Otolithes fauvelli Peters. Ningpo.
Otolithes aureus Rich. Chefoo.
Otolithes argenteus Kuhl & Hass. China.
Nibea yeddoensis Doderlund. Port Arthur.
Chætodon auripes J. & Snyder. Hongkong.
Sebastodes ijimæ J. & Metz.
Bostrycheus sinensis Lac. Swatow, Mts. of Kiangsi.
Tridentiger bifasciatus Steindachner. Port Arthur.
Gaidrop pacifica Schl.
Ophidium aculeatumBasil. Chihli Province.
Paralichthys coreanicus Schmidt.